[illegible] -- [illegible]

—— [illegible]

[illegible] Nature Magazine [illegible] AlphaGo Zero paper [illegible] [1][illegible]

[illegible]

[illegible]

[illegible]

[illegible] talent pool [illegible]

[illegible] talent pool [illegible]

[illegible]

[illegible]

[illegible] Karl Raimund Popper [illegible]

[illegible]·[illegible]

[illegible]

[illegible] STEM（science, technology, engineering and mathematics）[illegible]

[illegible]

[illegible]

[illegible]

[illegible]“[illegible]”[illegible]

[illegible] **AlphaGo** [illegible]

[illegible] Deepmind [illegible] [2][illegible]

AlphaGo Master [illegible] AlphaGo Master[illegible]AlphaGo Master [illegible]

[illegible] AlphaGo Zero [illegible] AlphaGo Master [illegible] AlphaGo Zero [illegible][3][illegible]AlphaGo Master [illegible] 16 [illegible] AlphaGo Zero [illegible] 18 [illegible] AlphaGo Zero [illegible] 14[illegible]16 [illegible] 45 [illegible]

1[illegible] Nature Magazime [illegible] AlphaGo [illegible]Deepmind [illegible] AlphaGo Zero [illegible] AlphaGo Master [illegible]

2) [illegible] AlphaGo Zero [illegible] local trap[illegible]AlphaGo Zero [illegible] AlphaGo [illegible] AlphaGo [illegible]

[illegible] AlphaGo Zero [illegible] [4][illegible] game [illegible]

Clock [illegible] superhuman[illegible]Superhuman [illegible]Nature Magazine [illegible] AlphaGo Zero paper [illegible] superhuman[illegible]

[illegible] superhuman [illegible] Technological Singularity [illegible] Demis Hassabis [illegible] AlphaGo [illegible]

[illegible] AlphaGo [illegible] AlphaGo [illegible] AlphaGo [illegible]

[illegible] AlphaGo Zero [illegible] AlphaGo Master[illegible] AlphaGo Master [illegible] AlphaGo Master[illegible] AlphaGo Master [illegible] [5][illegible] Nature Magazine [illegible] AlphaGo Zero paper [illegible] AlphaGo Master [illegible] deep-learning [illegible]

[illegible] AlphaGo Zero[illegible] AlphaGo Zero [illegible] superhuman [6][illegible] superhuman[illegible] superhuman[illegible] deep-learning[illegible]reinforcement[illegible] superhuman [illegible]

[illegible]AlphaGo Zero [illegible] AlphaGo Master [illegible] AlphaGo Master [illegible] superhuman[illegible] AlphaGo Master [illegible] 60 [illegible] 3 [illegible] AlphaGo Master [illegible] superhuman[illegible] AlphaGo Master [illegible] AlphaGo Zero [illegible] superhuman[illegible] superhuman [7][illegible]

[illegible] AlphaGo Zero [illegible] AlphaGo Master[illegible] AlphaGo Master [illegible]

[illegible] AlphaGo [illegible] AlphaGo [illegible] AlphaGo [illegible]

[illegible] AlphaGo [illegible] Turing Machine [illegible] deep-learning [illegible] AlphaGo [illegible] Deepmind [illegible] AlphaGo Zero [illegible] AlphaGo Master[illegible] AlphaGo Zero [illegible] AlphaGo Zero [illegible]

[illegible]

[illegible] Alan Turing[illegible] Geoffrey Hinton[illegible] Demis Hassabis[illegible] AlphaGo [illegible]

Demis Hassabis [illegible] AlphaGo [illegible] [8][illegible] Geoffrey Hinton [illegible]

Turing Machine [illegible] Turing Machine [illegible] Geoffrey Hinton [illegible] Turing Machine [illegible] Alan Turing [illegible]

[illegible]

[illegible] Dialogue Concerning the Two Chief Word Systems [9][illegible]

[illegible] The Sceptical of Chemist[illegible]

[illegible] On the Origin of Species[illegible]

[illegible] [10][illegible]

[illegible]

[illegible]

[illegible]

[illegible]**Leukotomy** [illegible] **BRIAN Initiative**

Leukotomy [illegible]

1[illegible] personalities [illegible] mental diseases[illegible] personalities [illegible] BRAIN Initiative project [illegible]

2[illegible] Leukotomy [illegible] Leukotomy [illegible] BRAIN Initiative [illegible] AlphaGo [illegible]

3[illegible] personality [illegible] intelligence [illegible] Walter Freeman [illegible] personality [illegible] intelligence [illegible] [11][illegible]

BRAIN Initiative project [illegible] NIH [illegible] BRAIN 2025 Report [illegible]“there is general agreement that types can be defined provisionally by invariant and generally intrinsic properties”[illegible] invariant [illegible] agreement [illegible] insights[illegible]“envision an integrated, systematic census of neuronal and glial cell types”[illegible] dynamic brain mapping [illegible]“Link brain activity to behavior”[illegible]“Produce conceptual foundations for understanding the biological basis of mental processes”[illegible] mental processes [illegible] behavior[illegible]

BRAIN Initiative project [illegible] personality [illegible] intelligence [illegible] brain mapping [illegible] personality [illegible] intelligence [illegible]hidden assumptions[illegible]

[illegible] personality [illegible] intelligence [illegible]

[illegible] BRAIN Initiative project [illegible] brain mapping [illegible] mental diseases[illegible] personality [illegible] intelligence[illegible] personality [illegible] intelligence [illegible] leukotomy [illegible]

[illegible] leukotomy [illegible] AlphaGo [illegible]

[illegible] personality [illegible] intelligence[illegible] mental diseases [illegible]

BRAIN Initiative [illegible] brain mapping [illegible] human level intelligence [illegible] personalities[illegible]intelligence [illegible] mental diseases [illegible]BRAIN Initiative [illegible] neurosciences [illegible]AlphaGo [illegible] generic human intelligence[illegible] AlphaGo [illegible] neurosciences [illegible] [12][illegible]

[illegible]

[illegible] AlphaGo Master [illegible] AlphaGo Zero [illegible] AlphaGo Zero [illegible] AlphaGo [illegible] AlphaGo Master [illegible] AlphaGo [illegible]

AlphaGo [illegible]

[illegible] Technological Singularity [illegible] BRAIN Initiative project [illegible]

Technological Singularity [illegible] baseless [illegible]

[illegible]

[illegible] AlphaGo Zero achieved superhuman performance[illegible] Demis Hassabis [illegible] AlphaGo [illegible]

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[1] [illegible]

[2] [illegible] Cracking Go [illegible] Deep Blue [illegible]AlphaGo [illegible] AlphaGo [illegible]

[3] [illegible] http://www.alphago-games.com/[illegible]AlphaGo Zero [illegible] AlphaGo Zero [illegible] https://www.101weiqi.com/chessbook/player/38348/[illegible]

[4] [illegible]

[illegible]Crazy Stone[illegible]AlphaGo [illegible] AlphaGo [illegible]

[illegible] AlphaGo [illegible]

[illegible] AlphaGo [illegible] Google [illegible] AlphaGo [illegible]AlphaGo Zero[illegible] AlphaGo [illegible]Human level artificial intelligence [illegible] AlphaGo [illegible]

[illegible] Google/Deepmind [illegible] AlphaGo [illegible]

[5] [illegible] AlphaGo [illegible] AlphaGo [illegible] AlphaGo Master [illegible] 60+3 [illegible]

[illegible]

[illegible] AlphaGo Master [illegible]AlphaGo Master [illegible]
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[6] http://www.alphago-games.com/□□Full Strength of Alphago Zero, i.e. Final Form□□□□40 Blocks□20 Blocks □□□ Not Full Strength of Alphago Zero□□□□□□□□□□□□□ Alphago Zero □□□□□□□□□□□□□□□□□□□ Alphago Zero □□ superhuman□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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[9] Dialogue Concerning the Two Chief Word Systems □□□□□□□□□ Socratic Method □□

□□□ AlphaGo □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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[10] BRAIN Initiative project □□□□□□□□□□□□ □□**BRIAN Initiative**□

[11] □□□□□□□□□□□□□□ intelligence□Demis Hassabis □□□□□□□□□□ AlphaGo □□□□□□□□□□□□□□□□ intelligence □□□□□□□□□□□□□

[12] □□□ AlphaGo □□□□□□□□□□□□□□□□□